CLAIMS:

1. An integral molded part of a plastic material for the analysis and preparation of substances, having at least one surface region and an interior region,

   wherein said at least one surface region is an open-pore three-dimensional network.

2. The molded part according to claim 1, characterized in that said interior region has no open pores.

3. The molded part according to either of claims 1 or 2, characterized in that said plastic material is selected from polyamides, polysulfones, polyesters, polycarbonates as well as copolymers and mixtures thereof.

4. The molded part according to any of claims 1 to 3, characterized in that reactants are bound to at least a part of said at least one surface region.

5. The molded part according to claim 4, characterized in that said reactants are selected from proteins, nucleic acids, carbohydrates, lipids, affinity ligands, effectors of enzymes.

6. The molded part according to either of claims 4 or 5, characterized in that said reactants are bound through reactive side chains of said plastic material.

7. The molded part according to any of claims 1 to 6, characterized in that said molded part is designed as a pipette tip, microtitration plate, piece of flexible tubing, rod, single or multiple vessel, immersed body sphere or plate.

8. A process for the preparation of the molded part according to any of claims 1 to 7, wherein an integral molded part of a plastic material is partially

dissolved on at least one surface region to form an open-pore surface region which is a three-dimensional network.

9. The process according to claim 8, characterized in that a chemical activation of the surface region is effected before, simultaneously with or after said partially dissolving of the surface region.

10. A molded part obtainable by a process according to claim 8 or 9.

11. Use of a molded part according to at least one of claims 1 to 7 for the analysis and preparation of substances.

12. The use according to claim 11, characterized in that said molded part is employed for the identification and quantification of analytes, especially for specific concentration and sample preparation.

13. The use according to claim 11, characterized in that said molded part is employed for enriching a substance in a sample, for depleting an interfering substance from a sample, for modifying analytes, especially for the specific cleavage or removal of modifications, such as phosphate moieties, sugar moieties, fatty acid moieties.